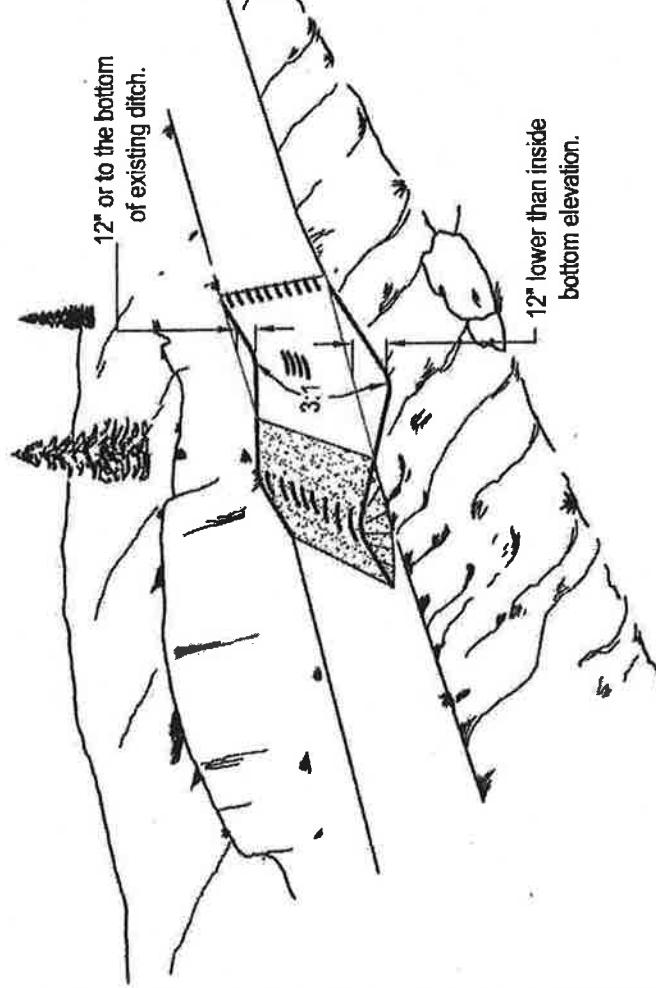


WATERBAR INSTALLATION

Not to Scale

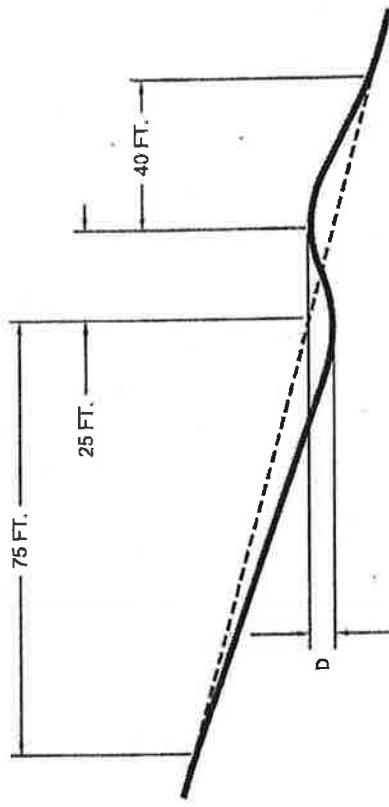
NOTES:

1. DO NOT DEPOSIT ANY EXCAVATED MATERIAL ONTO EXISTING FILL SLOPES.
2. WHEN BUILT ON DITCHED SEGMENTS OF ROAD, CONSTRUCT WATERBARS TO TIE INTO THE EXISTING CUT SLOPE AND TO INTERCEPT, BLOCK, AND DRAIN ACROSS THE ROAD.
3. SEED AND MULCH ALL DISTURBED AREAS UTILIZING THE APPROPRIATE MATERIALS AND RATES SPECIFIED IN TIMBER SALE PROVISION C6.601.
4. WHEN BUILT ON GRADES SKEW WATERBARS TO FACILITATE DRAINAGE.
5. GRADE CHANGES OVER THE LENGTH OF THE WATERBAR SHALL BE SMOOTH WITH NO ABRUPT OR SHARP ANGLE BREAKS.



DRAIN DIP INSTALLATION

Not to Scale



$D = 6$ INCHES AT THE INSIDE SHOULDER.
 $D = 3\%$ TO 4% (15 TO 20 INCHES) AT THE OUTSIDE SHOULDER.
RUBBER TIRE MOTOR GRADER FINISH REQUIRED.

1. CONSTRUCTED DRAIN DIPS SHALL NOT HAVE PROTRUSIONS OR DEPRESSIONS GREATER THAN 2 IN. FROM THE TYPICAL SECTION.
2. SKEW TROUGH AND CREST OF THE DIP 10 DEGREES FROM PERPENDICULAR TO THE ROAD CENTERLINE.
3. CROSS DRAIN SLOPE OF THE DIP SHALL BE 5%.
4. CONSTRUCT 10 FT. VERTICAL CURVES AT ALL DIP TRANSITIONS.
5. IF TOLD TO "INTERCEPT DITCH" CONSTRUCTION OF A DITCH BLOCK AT THE INLET OF THE DIP TO DIRECT WATER INTO THE DIP IS REQUIRED.
6. CONSERVE RIPRAP FROM THE EXCAVATION OR SLASH FROM ROADWAY BRUSHING AND PLACE AT OUTFALL OF DRAIN DIP.

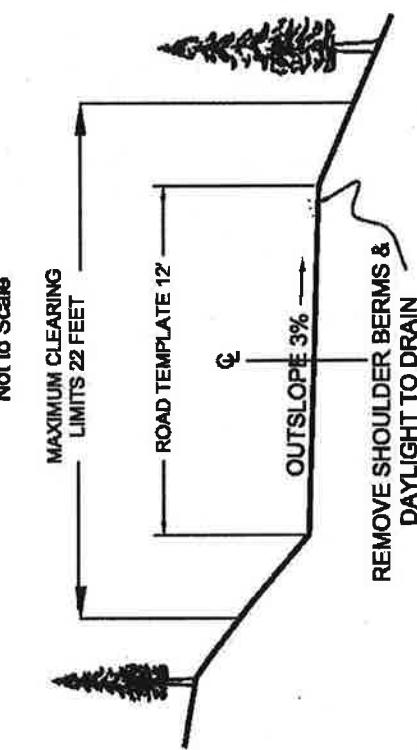
Slippery Bill Stewardship G.6.3

WATERBAR AND DRAIN DIP TYPICAL

TEMPORARY ROAD CLEARING LIMITS

GENERAL NOTES

CLEARING AND GRUBBING:
TREES, STUMPS, ROOTS AND OTHER VEGETATIVE MATERIAL WITHIN THE CLEARING LIMITS SHALL BE CLEARED, GRUBBED, REMOVED, AND DISPOSED OF AS FOLLOWS: DISPOSE OF MERCHANTABLE TIMBER ACCORDING TO THE PROVISIONS OF THE TIMBER SALE CONTRACT. STUMPS AND SLASH SHALL BE REUSED WHEN THE ROAD IS RE-COUTOURED.



Not to Scale

INSTALLATION OF CORRUGATED STEEL PIPE:

AFTER THE BEDDING IS PREPARED AND THE PIPE IS PLACED, PLACE SELECTED MATERIAL IN LAYERS NOT EXCEEDING 6 INCHES LOOSE THICKNESS, AND COMPACT THE MATERIAL UNDER THE HUNCHES AND ALONGSIDE THE PIPE USING A MECHANICAL TAMPER. USE MATERIAL THAT IS READILY COMPATIBLE AND FREE OF FROZEN LUMPS, CHUNKS OF HIGHLY PLASTIC CLAY, OR OTHER OBJECTIONABLE MATERIAL. DO NOT USE ROCKS LARGER THAN 3 INCHES IN GREATEST DIMENSION WITHIN 12 INCHES OF THE PIPE. ON EACH SIDE OF THE PIPE, PLACE AN AREA OF COMPACTED MATERIAL AT LEAST AS WIDE AS THE DIAMETER OF THE PIPE. COMPACT THE BACKFILL WITHOUT DAMAGING OR DISPLACING THE PIPE. ENSURE THAT BACKFILL DENSITY EXCEEDS THE DENSITY OF THE SURROUNDING EMBANKMENT.

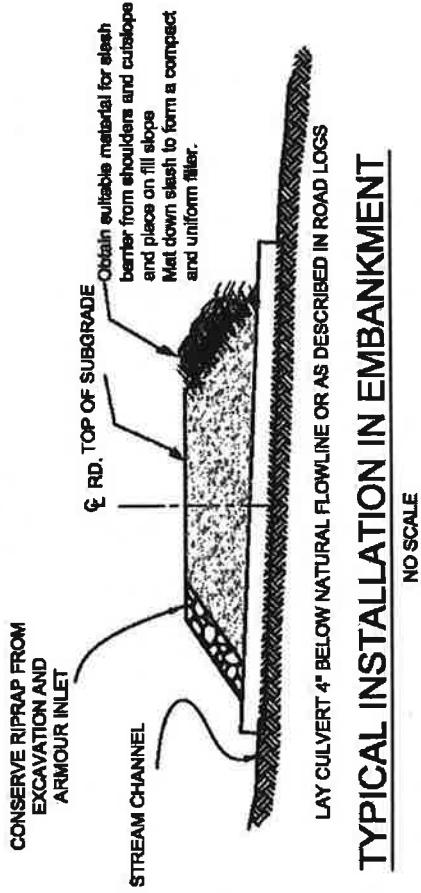
CONTINUE BACKFILLING AND COMPACTING UNTIL THE BACKFILL IS A MINIMUM OF 12 INCHES ABOVE THE TOP OF THE CULVERT.

AFTER BEDDING AND BACKFILLING THE PIPE, PROTECT IT WITH AN ADEQUATE COVER OF EMBANKMENT BEFORE HEAVY EQUIPMENT IS PERMITTED TO CROSS DURING ROADWAY CONSTRUCTION.

PRIOR TO BEGINNING WORK ON STREAM CULVERTS, REVIEW THE STATE 124 PERMIT ISSUED AND FOLLOW THE REQUIREMENTS. NO WORK SHALL OCCUR ON STREAMS BEFORE JULY 15.

IF STREAM FLOW EXISTS ON THE SITE AT THE TIME OF WORK WITHIN THE STREAM BANKS, THE STREAM SHALL BE DIVERTED AROUND THE WORK AREA BY EITHER A VISQUE LINE CHANNEL, A DIVERSION PIPE, PUMPING, OR OTHER CONTRACTOR PROPOSED METHODS, AS APPROVED BY THE ENGINEER. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE FLOWING STREAM.

APPLY SEED AS PER TIMBER SALE CONTRACT PROVISION K-G.6.0.1#



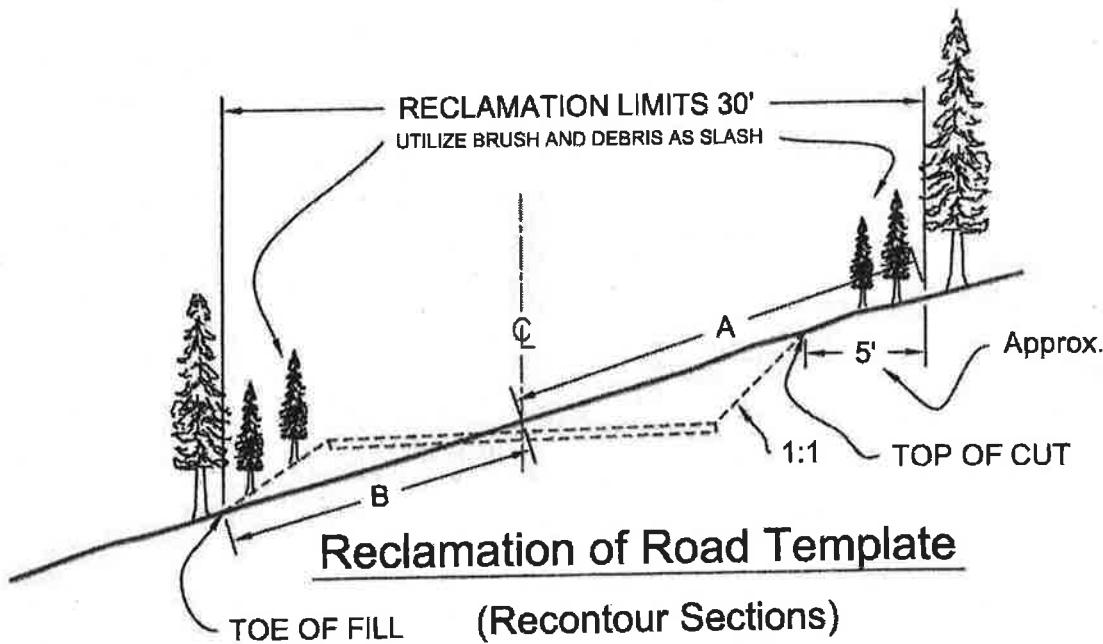
NO SCALE

TYPICAL INSTALLATION IN EMBANKMENT

Slipper Bill Stewardship K-G.6.3.2#
TEMPORARY ROAD CONSTRUCTION

Closure Detail for New Temporary Roads

Road decommissioning shall include full recontouring; excavating and placing fill material back onto the road prism to return the ground to its natural contour, removing structures(culverts, cross drains, gates) and reshaping stream crossings and draws to their natural contours, placing woody debris on the disturbed area, and seeding disturbed ground. This work shall be performed on the entire road segment .



A = AREA ABOVE Existing road, Reclamation requires placement of excavated material to neat lines & graded from "Toe of Fill" to "Top of Cut." The material line shall closely approximate natural ground contours shaped to blend with the terrain.

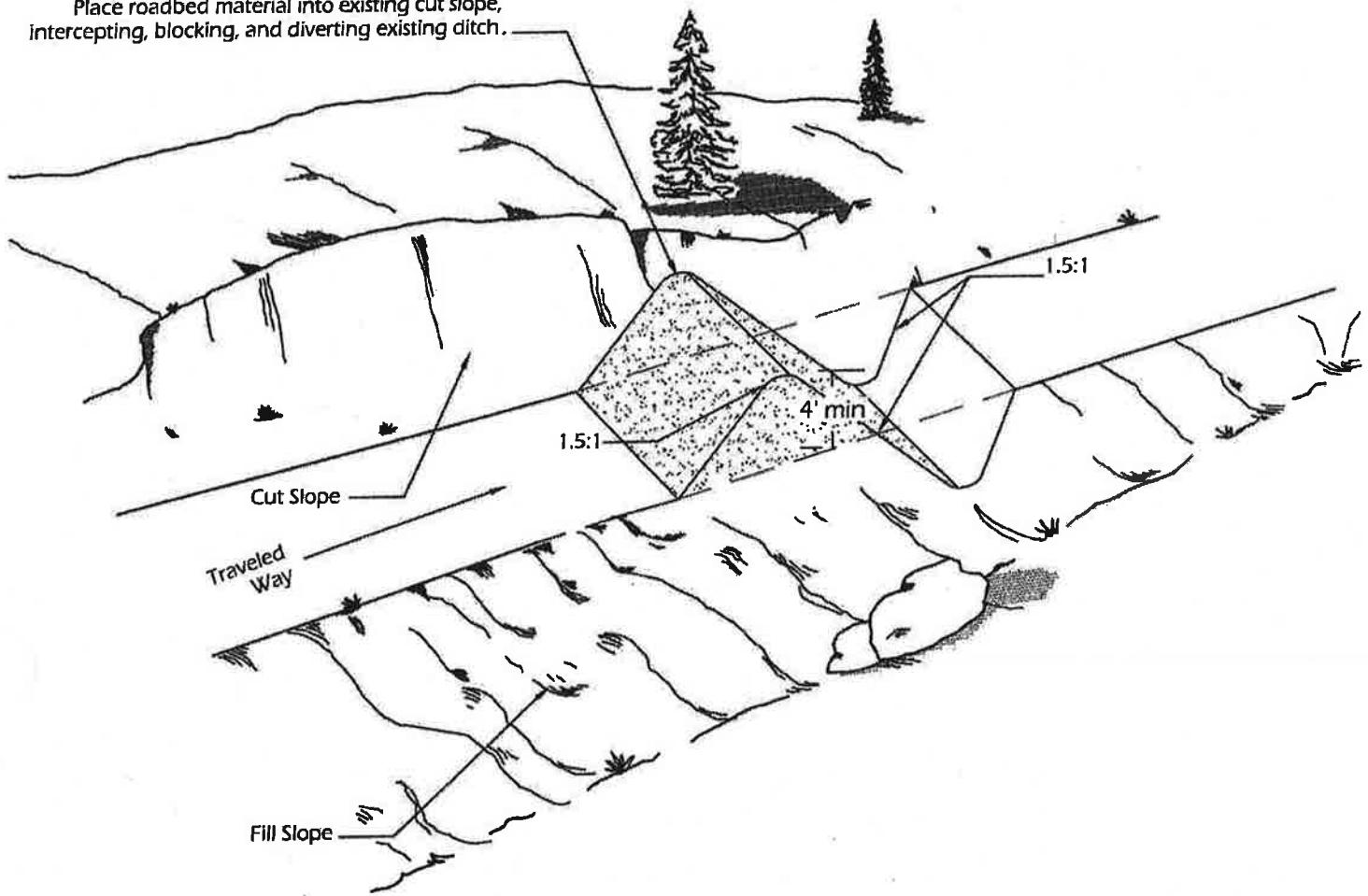
B = AREA BELOW Existing road. Decompact and loosen the road surface to a 1 foot minimum depth, by ripping, plowing or scarifying. Pull all major embankments and use material to recontour area A. Strip the surface to conserve brush, slash, debris, and topsoil from the excavation area and return these materials after the Area B has been recontoured to natural slopes.

B = TURNPIKE. When template B is a through fill, rip and roughen or pit and mound the area including ditches to create a natural landscaped seedbed. Strip the surface to conserve brush, slash, debris, and topsoil from the excavation area and return these materials after the Area B has been recontoured to natural slopes.

Apply seed and mulch to the recontoured areas and the disturbed ground on the reclaimed roadbed.

Earth Berm Installation

Place roadbed material into existing cut slope, intercepting, blocking, and diverting existing ditch.

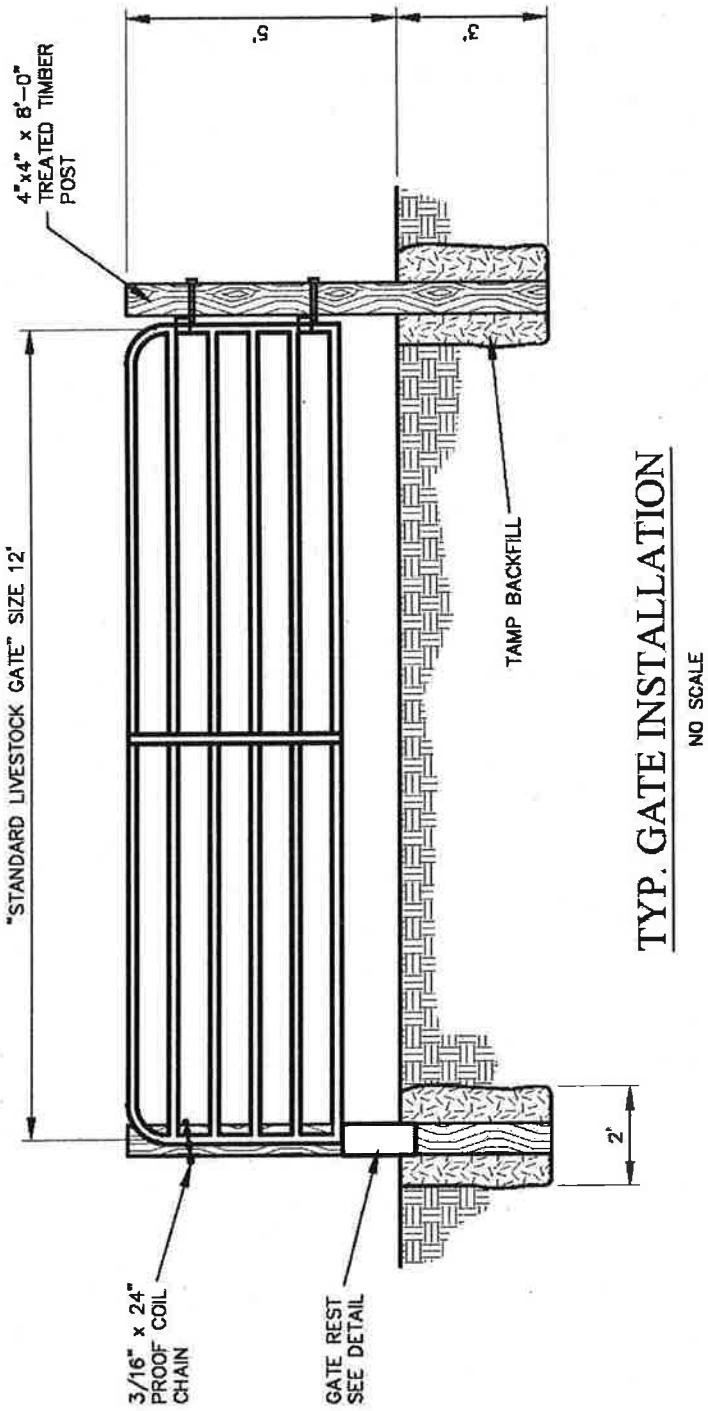


Notes:

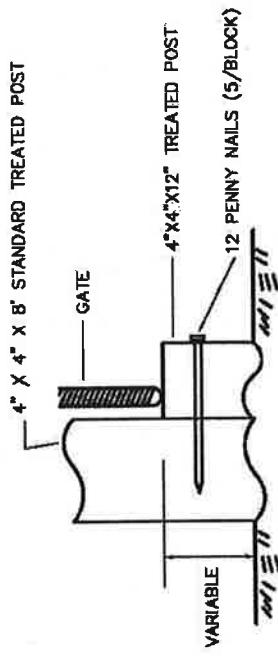
1. Care shall be taken to not deposit any excavated material onto existing fill slopes.
2. Earth berms shall be constructed to tie into the existing cut slope and to intercept, block and drain across the road when built on ditched segments of road.
3. Seed and mulch all disturbed areas utilizing the appropriate materials
4. Conserve any large rocks encountered in the excavation and place them along the roadside, adjacent to the berm, as directed by the Forest Service. Placement shall be in such manner to prevent traffic from driving around the berm.
5. Detail specifications and specific locations may be changed to fit local conditions.

Slippery Bill Stewardship K-F.4.1#

Earth Berm:



ITEM	MATERIAL LIST FOR GATE	QUANTITY
CHAIN	3/16" PROOF COIL CHAIN 24" LONG	1 EA.
GATE	PRIEFERT ECONOMY R-GATE "RG12"	1 EA.
TREATED POST	4" x 4" x 8' TREATED POST	2 EA.
NAILS	20 PENNY- FOR GATE REST	5 EA.
TREATED POST	4" x 4" x 12" TREATED POST	1 EA.



NOTES:

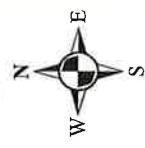
PROVIDE AN "ECONOMY 6 RAIL" GATE, MANUFACTURED BY PRIEFERT, PRODUCT NO. "RG12. (WWW.PRIEFERT.COM) FABRICATE THE GATE FROM 1-1/8", 18 GAUGE STEEL TUBING. USE 1.05" O.D. 18 GAUGE STEEL TUBING FOR THE VERTICAL STAYS. POWDER COAT "FOREST GREEN".

PROVIDE WASHERS AND NUTS FOR ALL BOLTS AND LAG BOLTS SHOWN.
TREAT WOODEN POSTS AND GATE REST WITH PENTACHLOROPHENOL, MINIMUM NET RETENTION OF 0.5# PER CUBIC FOOT (DRY CRYSTAL).
FURNISH AND INSTALL LAG SCREWS FOR HOLDING GATE AND CHAIN.

Slippery Bill Stewardship K-F.4.1#	Sheet	Total
Standard Livestock Gate		

Slippery Bill Stewardship Project #5 Map

Devil Creek Trailhead and Fielding Trailhead Slash Pile Removal & Rehabilitation



A horizontal scale bar representing one mile, divided into four segments of 0.25 miles each. The segments are labeled 0, 0.5, and 1 Miles.

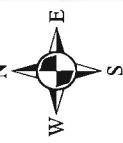


Gravel Pit
Slash consolidation
location

Devil Crk. Trailhead Slash Piles

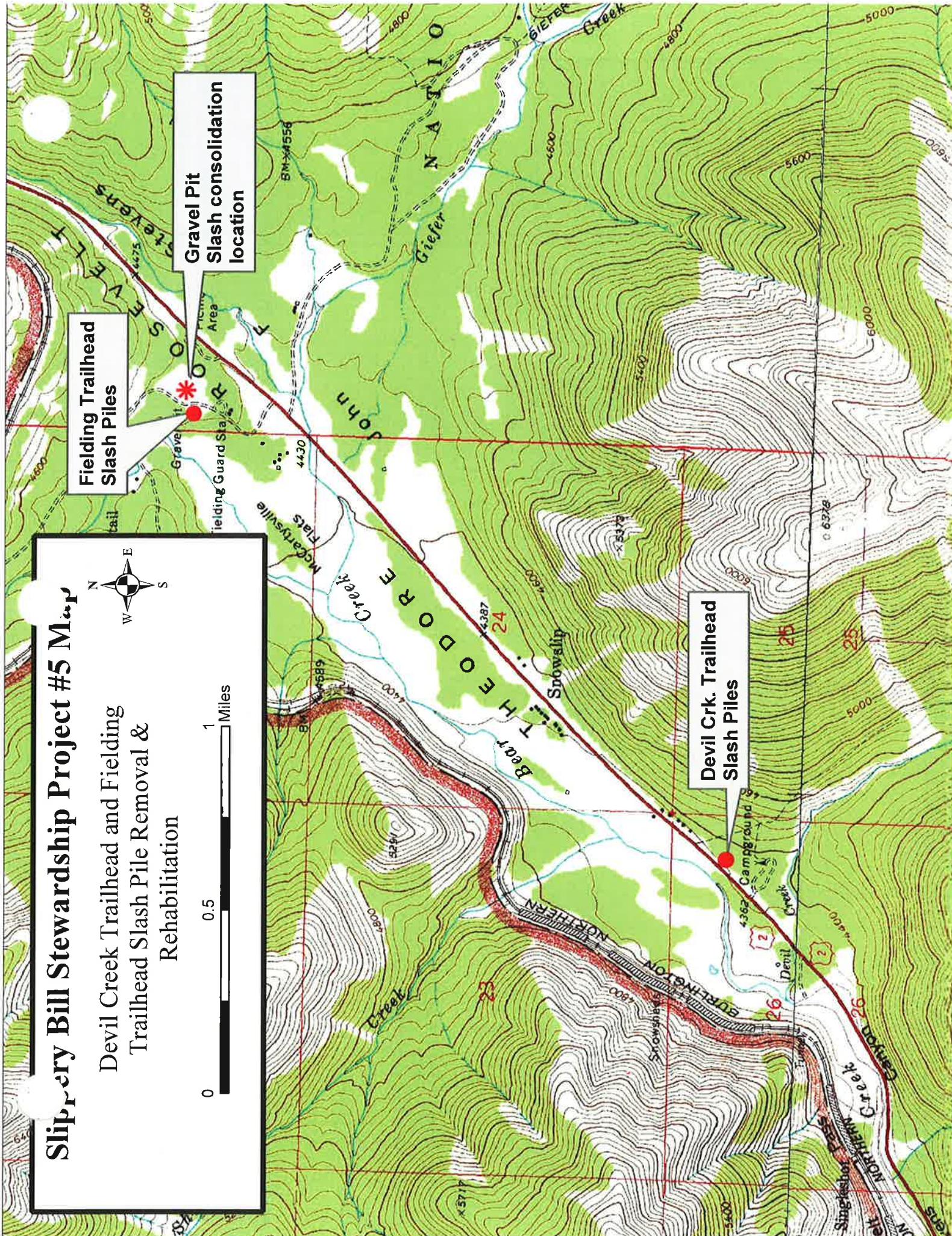
Slippery Bill Stewardship Project #5 M&P

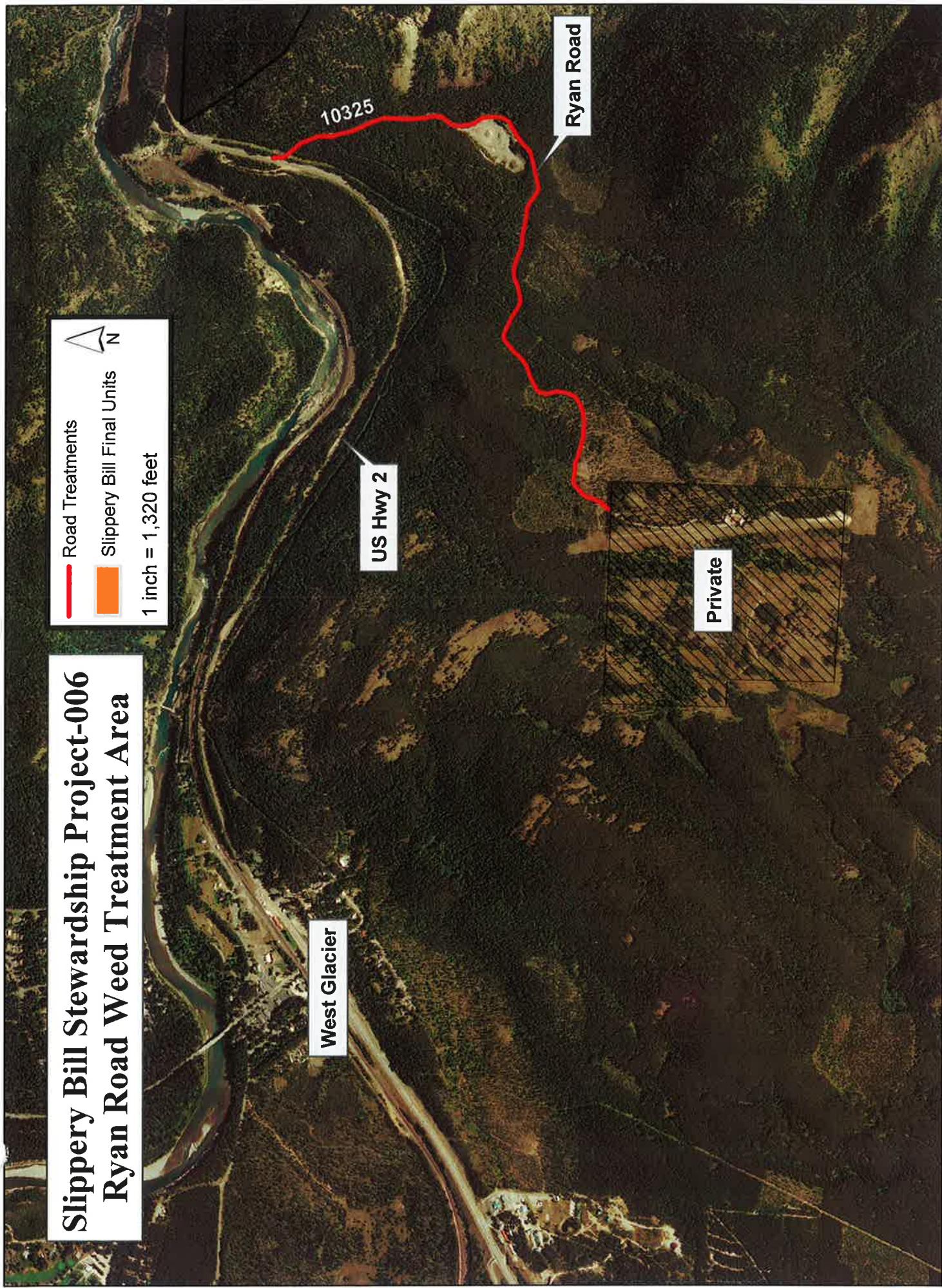
Devil Creek Trailhead and Fielding Trailhead Slash Pile Removal & Rehabilitation



**Fielding Trailhead
Slash Piles**

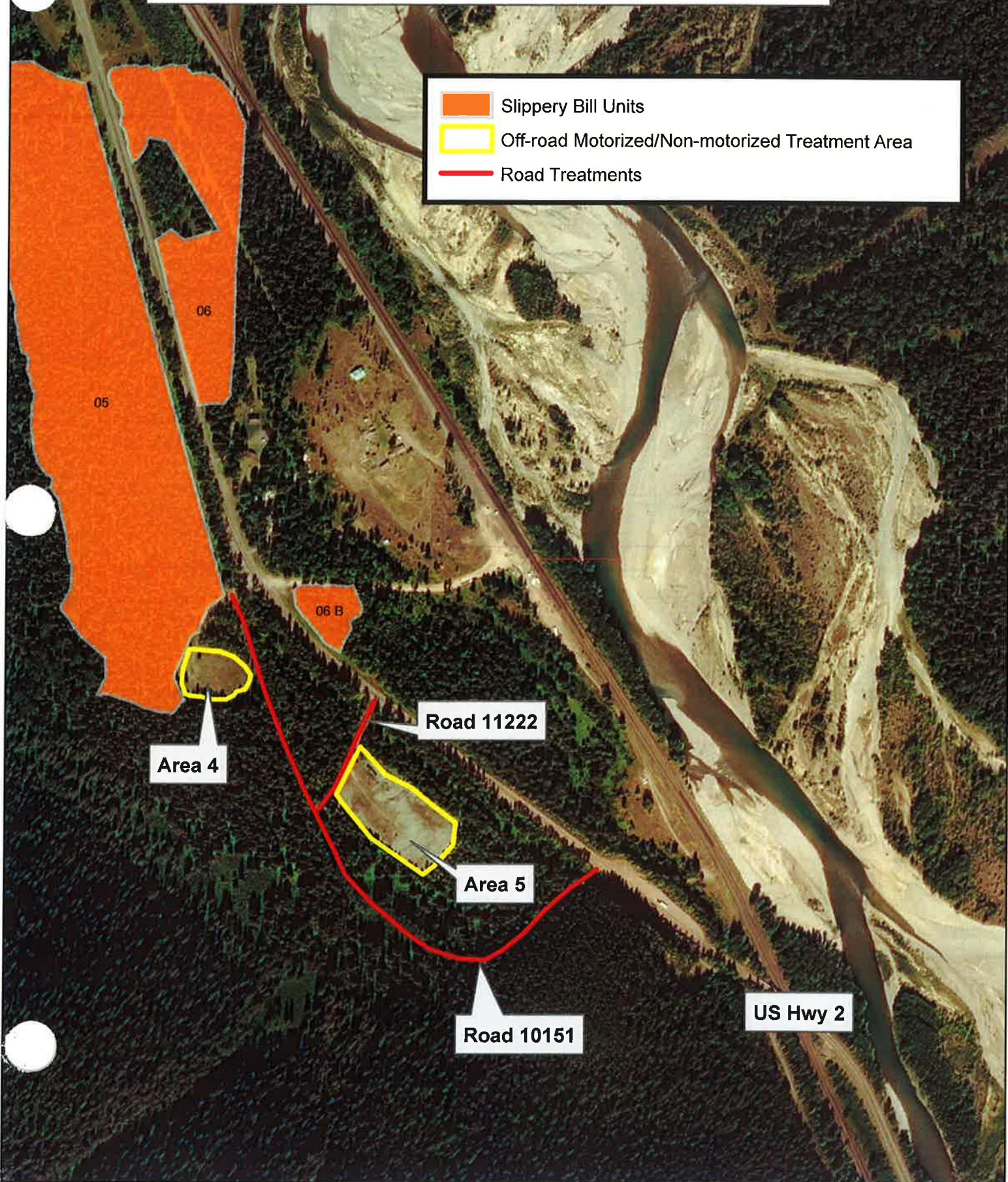
Gravel Pit
Slash consolidation
location

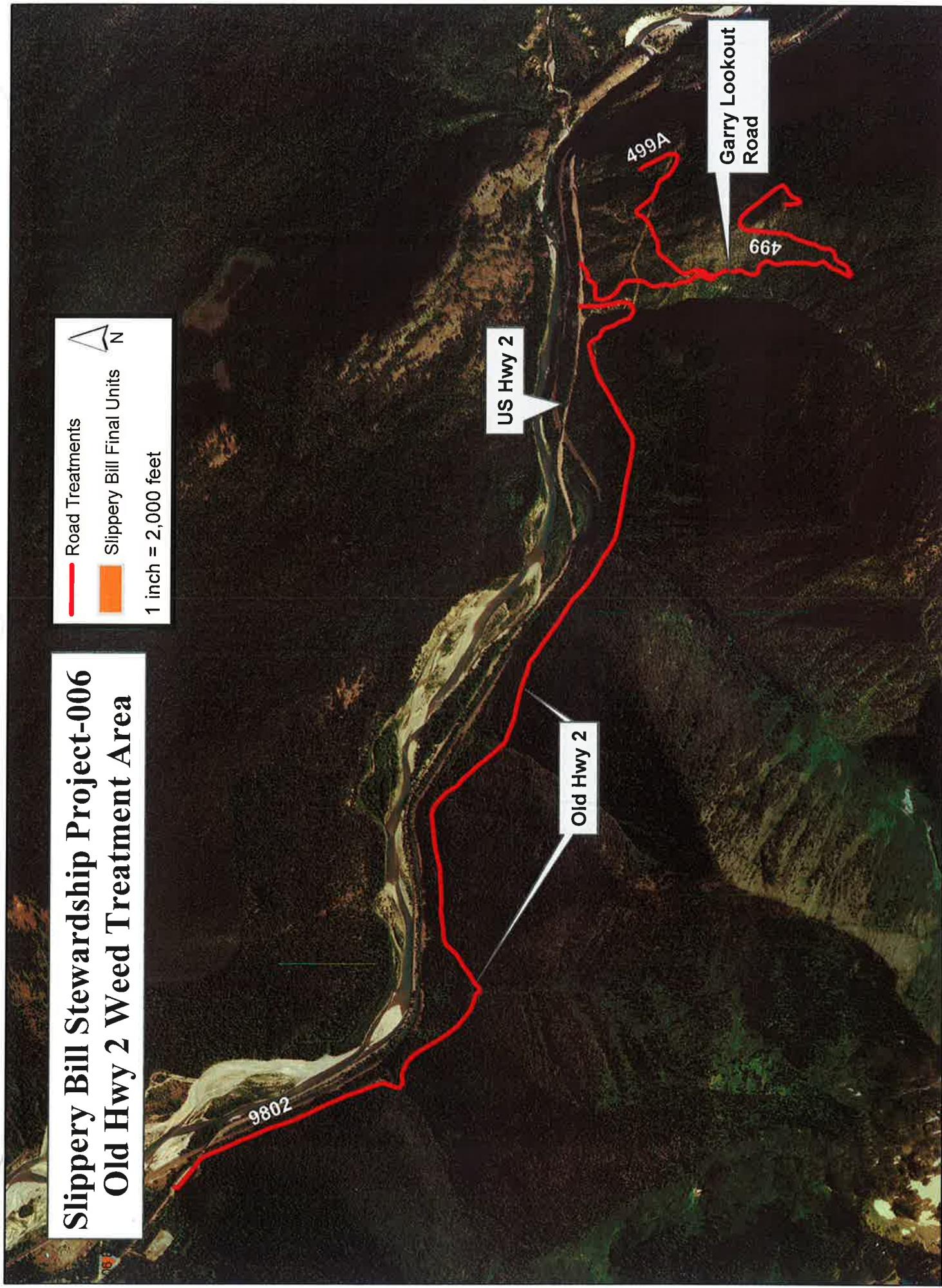




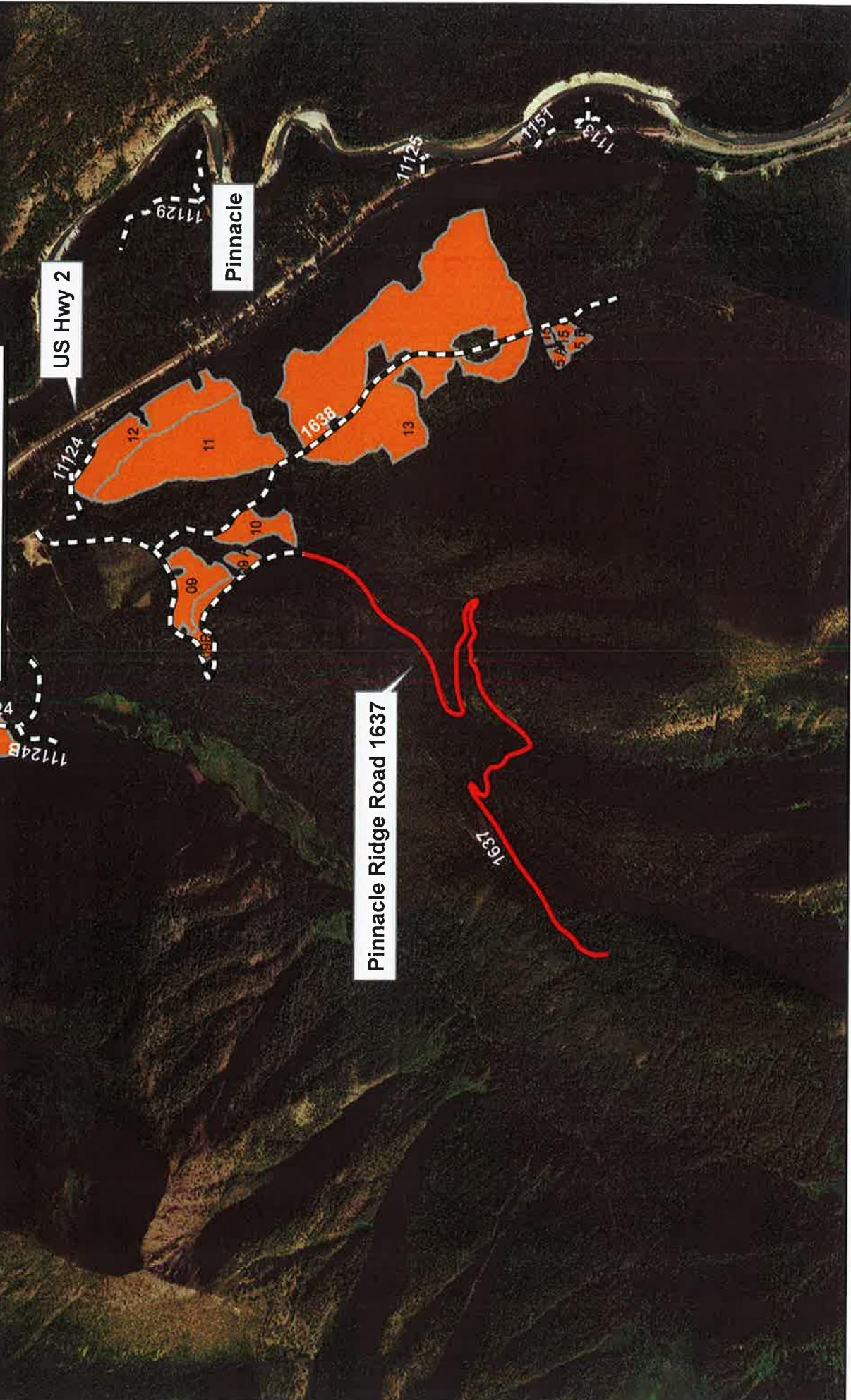
Slippery Bill Stewardship Project-006 & 007

Nyack Weed Treatment Area





Slippery Bill Stewardship Project-006
Pinnacle Weed Treatment Area





Slippery Bill Stewardship Project-006 & 007 Fielding Weed Treatment Area

Railroad

- Off-road Non-motorized Treatments(Backpack) Area
- Off-road Motorized/Non-motorized Treatment Area
- Road Treatments

Area 3: Open Meadow with heavy knapweed and Heavy St. Johnswort

Camas- Avoid spraying here

Private Land

Area 2: Open Meadow with heavy knapweed, St. Johnswort, and small amount of yellow toadflax

Area 1: Gravel Pit Area
Primarily Knapweed

US Hwy 2

Road 1066

Road 1143 and powerline

Slippery Bill Stewardship Project-006 Skyland Weed Treatment Area

— Road Treatments
1 in = 1 miles



US Hwy 2

Skyland Road 569

East Skyland Road 1653

1653

Skyland Road 569

11038
4395
695

Morrison Creek
Trailhead

Granite Creek
Trailhead